RUDRAPRASAD CONSULTANTS
Structural Engineers, Architects &
Project Management Consultants

Date: 31-03-2023

To,

ASSISTANT EXECUTIVE ENGINEER

PROJECT SUB DIVISION,

BBMP

BANGALORE

Dear Sir,

Sub: M/s. Rudraprasad Consultants Services for the work of **"CONSTRUCTION OF SCULPTURES IN PARKS, LAKES, CIRCLES AND JUNCTIONS IN WARD NO.01,02,03 AND 04 OF YELAHANKA SUB DIVISION".**

Ref: 1. Work Order No: EE(Project)/Ynk Zone/WO/09/2021-22

2. Job code: 001-20-000022

We are here with forwarding to M/s NPR Infratech, (Sri. N Purushotham Raju), SLV Nilaya, No.38/1, Sankranthi Layout, 4th Main, JP Nagar, 7th Phase, Bangalore-78. Second & Part Bill duly verified and certified that the work is satisfactory and for a Gross Value of Rs. 80,61,123.00/- (Rs. Eighty Lakhs Sixty One Thousand One Hundred Twenty Three Only). First and Part bill for Rs. 1,67,79,676.98/- were previously submitted & the total bill amount submitted till date being Rs. 2,48,40,799.98/-(Rs. Two Crore Forty Eight Lakhs Forty Thousand Seven Hundred Ninety Nine and Ninety Eight Paisa Only).

Thanking you,

Yours faithfully,

For Rudraprasad Consultants

RUDRAPRASAD CONSULTANTS BANGALORE

R. KARTHIK RECHAN B.E, M.S (U.S.A)
PRINCIPAL CONSULTANT
RUDRAPRASAD CONSULTANTS

Attachments PMC Compliance report

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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NAME OF WORK:-Construction of Sculptures in Parks, Lakes, Circles and Junctions in Ward No.01,02,03 and 04 of Yelahanka sub Division

Name of Client	:	EXECUTIVE ENGINEER, PROJECT DIVISION,BBMP, BANGALORE
Contractor/ Agency	:	M/s NPR Infratech, (Sri. N Purushotham Raju), SLV Nilaya, No.38/1, Sankranthi Layout, 4th Main, JP Nagar, 7th Phase, Bangalore-78
Tender Contract Price	:	Rs 80,61,123.00/-
Date Of Inspection	:	31-03-23
Status Of Bill	:	Second & Part Bill
In the Presence of	:	a) Assistant Engineer, Project Sub division, BBMP, Bangalore b) R. Karthik Rechan, Partner, M/S RUDRAPRASAD CONSULTANTS, BANGALORE

PMC COMPLIANCE REPORT		
Sl. No.	**Description of work**	**Comments/Observations**
16	Providing, Fabricating and Fixing of Antique Kannada Alphabets made out of Brass Casting and other Cast iron and also Mild steel materials as per drawings for each alphabet, appreance and dimesions of each alphabet is as indicated in techinal drawings enclosed including cost of all materials, labour, HOMof machinery, Finishing with Spray Painting and providing the support Stand using L-section and cetrally fitted with bolt height of 7" complete Fixeing of out-door LED Strip Lighting for through out the peripery and inside all proposed alphabets as per direction of Engineer in Charge. (inclusive of all taxes) As per approved quotation	Work done upto the Billed Quantity and the Quality is satisfactory

RUDRAPRASAD CONSULTANTS BANGALORE

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

#3, 7th Main Malleswaram, Bangalore – 560003
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41	Providing, Fabricating and Fixing of Antique Kannada Alphabets made out of Brass Casting and other Cast iron and also Mild steel materials as per drawings for each alphabet, appreance and dimesions of each alphabet is as indicated in techinal drawings enclosed including cost of all materials, labour, HOMof machinery, Finishing with Spray Painting and providing the support Stand using L-section and cetrally fitted with bolt height of 7" complete as per direction of Engineer in Charge. (inclusive of all taxes) As per approved quotation	Work done upto the Billed Quantity and the Quality is satisfactory
43	Providing, Fabricating and Fixing of Antique Kannada Alphabets made out of Brass Casting and other Cast iron and also Mild steel materials as per drawings for each alphabet, appreance and dimesions of each alphabet is as indicated in techinal drawings enclosed including cost of all materials, labour, HOMof machinery, Finishing with Spray Painting and providing the support Stand using L-section and cetrally fitted with bolt height of 7" complete Fixeing of out-door LED Strip Lighting for through out the peripery and inside all proposed alphabets as per direction of Engineer in Charge. (inclusive of all taxes) (inclusive of all taxes) As per approved quotation	Work done upto the Billed Quantity and the Quality is satisfactory
48	Poviding, Fabricating and Fixing of Antique Kannada Alphabets made out of Brass Casting and other Cast iron and also Mild steel materials as per drawings for each alphabet, appreance and dimesions of each alphabet is as indicated in techinal drawings enclosed including cost of all materials, labour, HOMof machinery, Finishing with Spray Painting and providing the support Stand using L-section and cetrally fitted with bolt height of 7" complete as per direction of Engineer in Charge. (inclusive of all taxes) As per approved quotation	Work done upto the Billed Quantity and the Quality is satisfactory
59	Poviding, Fabricating and Fixing of Antique Kannada Numbers made out of Brass Casting and other Cast iron and also Mild steel materials as per drawings for each Numbers, appreance and dimesions of each alphabet is as indicated in techinal drawings enclosed including cost of all materials, labour, HOMof machinery, Finishing with Spray Painting and providing the support Stand using L-section and cetrally fitted with bolt height of 7" complete nd Fixeing of out-door LED Strip Lighting for through out the peripery and inside all proposed Numbers as per direction of Engineer in Charge. (inclusive of all taxes) As per approved quotation	Work done upto the Billed Quantity and the Quality is satisfactory
61	Providing and Fixing the I Section ISMB 200 mm X 100 mm X 5.7 mm to support (inclusive of all taxes) As per approved quotation	Work done upto the Billed Quantity and the Quality is satisfactory

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Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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66	KSRB 2-1.1 : Earthwork in surface excavation in ordinary soil for levelling and lowering the ground manually (other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift upto 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled after breaking of clods and neatly dressed as per specifications. specification. No. KBS 2.1(a) / 2.3.1 Note :Adopt item 2.24 for excavation in all types of soils for lowering & levelling the ground for building works by mechanical means KBS Pg No 6, Item No 2.1	Work done upto the Billed Quantity and the Quality is satisfactory
69	KSRB 4-1.3 : Providing and laying in position plain cement concrete of mix 1:4:8(M7.5)with OPC cement @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregtes @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications.Specification No. KBS 4.1, 4.2 Pg No.13 Item No 4.3	Work done upto the Billed Quantity and the Quality is satisfactory
70	KSRB 4.2.2 : Providing and laying in position reinforced cement concrete of Design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregtes @ 0.460 cum, with super plasticisers @ 3 liters confirming to is 9103-1999 reafirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspillars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications. Specification No. KBS 4.1, 4.6, Pg No. 14 Item No. 4.11	Work done upto the Billed Quantity and the Quality is satisfactory
75	Supplying heavy gague PVC conduit pipe 20/25/32 mm dia 2.5mm thick confirming to IS 2509 with suitable size bends metal/pvc junction boxes, adhesive paste etc, and running before concreting and slab. The conduit should be tied to the reinforcement rods by using binding wires and unused ways of junction boxes and pipe ends should be covered using PVC end enclosures, run with 18SWG GI fisg wire wherever necessary.	Work done upto the Billed Quantity and the Quality is satisfactory

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79	Providng Antique decorative cast iron Electrical Pole Fabricating, supplying and erection of 7 Mtrs long hot dip IS 2062 for base plate withdoor opening arrangements, including suitable boards, Bakelite sheet and MCBs as per IS specifications suitable to withstand the wind speed of 47 m/sec for .....Mtrs pole in single section and single joint welded as per IS 9595/IS 10178AWS having dimensions bottom 350 mm, top 250 mm with 3mm thick, suitable base plate and 4 Nos of ..... long J bolts along with template and the pole shall be hot dip galvanized in single dipping with not less than 65micron as per ASTM-A123 and 153 etc., (excluding foundation) as per drawing appended.as per the architectural Drawing and specification as per the directuins of Engineerin Charge..... Iteam rate As per approved Data rate	Work done upto the Billed Quantity and the Quality is satisfactory
81	Conveying the excavated earth, debries etc., with all lead and lifts including loading and unloading charges etc., complete as per specifications and directions of Engineer in charge.	Work done upto the Billed Quantity and the Quality is satisfactory
82	Providing and fixing granite flooring in combination of 19 mm thick (Avg) gang saw water cut LAKARED granite with 86% and with 14% of 19mm thicl (avg) Black granite in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification	Work done upto the Billed Quantity and the Quality is satisfactory
83	14.55, Providing full nosing for 20 mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification KBS No.14.55, Pg No.111	Work done upto the Billed Quantity and the Quality is satisfactory
84	KSRB 14.4 : Providing and laying flooring and steps fine dressed granite stone slabs 40 mm thick on cement mortar bed 1:6, and pointed with cement mortar 1:3 over existing cement concrete bed , including cost of materials, labour, curing complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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BBMP, Bangalore - 92

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85	Providing and fixing Stainless steel staircase raling as per Chief Architect Drawing No. 11520/ HRSC withhand rail 50mm dia 16 guage hollow pipe welded to vertical hollow 50mm dia pipe of 16 guage, stainless steel vertical pipe spaced at 1.20m regular intervals, and 5 Nos of 25mm dia. Stainless steel hollow horizontal pipe are welded to vertical 50mm dia hollow pipe. The entire assembly is fixed to staircase concrete by using expansion bolts by drilling concrete etc., complete including cost of materials, labour, HOM of machineries and electrical charges, etc., complete as per specifications.. Pg No. 45 Item No. 7.38	Work done upto the Billed Quantity and the Quality is satisfactory
89	KSRRB M300-2.2. Grassing with Doobs grass KSRRB M300- 2.1. Grassing with Doobs grass including watering and maintenance of the lawn for 30 days or more till the grass forms a thick lawn free from weeds and fit for moving including supplying good earth if needed complete as per specifications. MORTH Specification No. 307 ii) In rows 7.5 cm apart in either direction ,item No 19.79, Page:148 PWD SR 2018-19	Work done upto the Billed Quantity and the Quality is satisfactory
91	KSRB 5-14 : Providing and constructing load bearing wall with solid concrete blocks of size 400 X 200X200mm having block density not less than 1800kg/m3 having a minimum average compressive strength 5.00N/mm2 confirming to IS 2185 (part 1) :2005 and constructed with cement mortar 1:4,as per IS 2572:2005 including cost of materials, labour charges, scaffolding, curing, hire charges of machinaries etc., complete as per specifications. KBS No.5.14, Pg No. 27 Item No. 5.26.1	Work done upto the Billed Quantity and the Quality is satisfactory
92	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid over bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials and labours etc., complete as per specifications. - using silver grey granite / Multy Red / Ruby Red / Black / HassanGreen Granite of width not less than 1200mm Specification No	Work done upto the Billed Quantity and the Quality is satisfactory
94	KSRB15-1.6 : Providing rough cement plastering 15mm thick in single coat with cement mortar 1:4, to brick masonry for base of dadooing works with sand of approved quality, providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KBS No.15.1.6, Pg No. 115 Item No. 15.6	Work done upto the Billed Quantity and the Quality is satisfactory
95	Providing and applying painting in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. - with primer	Work done upto the Billed Quantity and the Quality is satisfactory

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97	Supply of LED floodlight luminaire with pressure die cast aluminium housing body for optimal thermal dissipation.Lamp compartment comprising of anti glare clear diffuser with Injection moulded polycarbonate/clear glass material, delivering superior light output. Rated life Burning Hrs 50000 hr @ Lumen Maintenance of 70%, CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains, Surge Protection- Min 5KV along with Over voltage/Overload, short circuit/ miss-wiring protection. Compatible for pole mouting with outer dia of 40mm to 50 mm.Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Compliance to IS10322/ IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools. LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w, nominal CRI >75. Luminaire manufacturer should have inhouse facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008 . Housing with supplier word mark name shall be Engraved / Embossing on the die cast housing/ Body part. Warranty of 2 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED manufacturer & Cree/Nichia/ Lumileds/Osram make LED Source. (PWD electrical S.R material list page no : 67 SL/NO 12.9	Work done upto the Billed Quantity and the Quality is satisfactory
109	KSRRB M1200-48.2. Construction of cement concrete kerb with top and bottom width 115 and 165 mm respectively, 250 mm high in M-20 grade PCC on M-10 grade foundation 150 mm thick, foundation having 50 mm projection beyond kerb stone, kerb stone laid with kerb lying machine, foundation concrete laid manually, all complete as per Clause 400.8 complete as per spcifications. B. Using Concrete Batching and Mixing Plant MORTH Specification No.408item No 26.127, Page no.217 PWD SR 2018-19	Work done upto the Billed Quantity and the Quality is satisfactory
110	Providing and laying For elevation using white sadarhalli stone with stone chiesing and fine dressed granite stone slabs 100 mm thick with cement mortar 1:3 including cost of materials, labour, curing complete as per specifications. (AS per Appoved Data rate incluing GST)Elevation Stone for aesthitic purpose @ TOP OF WALL (1X0.3X0.1) granite size	Work done upto the Billed Quantity and the Quality is satisfactory

Asst. Executive Engineer
Project Division
Yelahanka Zone
BBMP, Bangalore - 92

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E5	Supplying and fixing M.S. Rectangular poles made out of 2 equal angles of 65x65x6 mm welded together and fixed in CC (1:2:4) WITH 2 NOS 16mm dia M.S. hold fast rods each of length 25 cms. Including cost of all materials cutting, bending scaffolding wherever necessary, nicely finishing the welded joints with all lead lifts and as per the directions of the Engineer-in - charge of the work and including providing 2 coats of approved quality paint over one coat of shop painting (excluding cost of earthwork and concrete) including cost of material, labour, HOM complete as per specification	Work done upto the Billed Quantity and the Quality is satisfactory
E6	Providing chain link fencing 50mm size of 8 guage properly stretched between existing rectangular poles and fixed with suitable bolts & nuts, the free ends shall be welded to the pole and block pipe at top and bottom as required including cost of all materials, labour, lead and lifts and as per the directions of the Engineer-in-charge of work including two coats of approved quality paint over one coat of shop paint including cost of material, labour, HOM complete as per specification	Work done upto the Billed Quantity and the Quality is satisfactory
E7	Providing and fixing M.S. Block pipe of 38mm dia, of heavy guage of 14 including removing the bends, cutting the pipe, and fixing pipe in between the existing two verticle poles (M.S. rectangular poles) and spot welding the chain link with M.S. block pipe including cost of all materials wastage in cutting, and scaffolding wherever necessary with all lead and lift as directed by the Engineer-in-charge of work etc., complete including two coats of approved quality paint over one coat of shop paint including cost of material, labour, HOM complete as per specification	Work done upto the Billed Quantity and the Quality is satisfactory
E8	KSRB 7.9 : Providing and fixing M.S.grill work for windows and ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM complete as per specifications. Specification No. KBS 7.12	Work done upto the Billed Quantity and the Quality is satisfactory

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Project Division
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BBMP, Bangalore - 92

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E9	KSRB 7.10 : Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 1.85x 31.75mm. With 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25 mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred sub dividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raul plugs, or teak wood gatties including cutting masonry or concrete and making good the original surface using cement mortar, aluminium sections pretreated for removal of any Specification No. KBS -do- using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality	Work done upto the Billed Quantity and the Quality is satisfactory
E10	Providing and fixing M.S. Hand railing for Balcony/ Staircase etc., with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervals of 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, welded and grinded wherever necessary etc., complete . The work includes cost of all materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing.	Work done upto the Billed Quantity and the Quality is satisfactory
E11	KSRB 9.4-1 : Providing wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM complete as per pecifications. Specification No. KBS 9.33, KSRB 9.4-2 : – do – Honne wood frames	Work done upto the Billed Quantity and the Quality is satisfactory

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E12	KSRB 9.5 : Providing and fixing in position fully panelled wood shutters for doors, with styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM complete as per specifications. (excluding cost of fixtures) Specification No. KBS 9.34, KSRB 9.5-2 : – do – Honne wood	Work done upto the Billed Quantity and the Quality is satisfactory
E13	Providing and fixing Vitrified glazed tiles of approved make, quality & colour of size 600 x 600 x 10mm thick fixed on existing flooring with special adhesive for flooring, skirting and jointed with neat cement slurry mixed with pigment to mach shade of tiles, including providing spacers at required interval and removing stains, cost of materials, mortar, labour etc., complete as per specification.	Work done upto the Billed Quantity and the Quality is satisfactory
E14	KSRB15-3 : Providing 18mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing caffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-3.8 : – do – cement mortar 1:4	Work done upto the Billed Quantity and the Quality is satisfactory
E15	KSRB 14.14-5: Providing Ceramic tiles of approved make,shade and size for flooring, treads of steps and landings laid on a bed of 12mm thick, cement mortar 1:3 mix, flush pointing with white cement using colour pigment , including cost of materials, labour, curing, complete as per specifications. Specification No. KBS _do_ for Ceramic Tiles of size 30x30cms 6mm thick	Work done upto the Billed Quantity and the Quality is satisfactory
E16	KSRB 14-17.2 : Providing skirting, dadoing, rises of steps with colour glazed tiles on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16, 14.17 Colour glazed tiles 30x60 cms 6mm thick with border of size 30 x 10 cms	Work done upto the Billed Quantity and the Quality is satisfactory
E17	Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification..	Work done upto the Billed Quantity and the Quality is satisfactory
E18	SOLID PVC DOOR FRAME Providing & fixing factory made PVC Door frame of size 50x47mm with a wall thickness of 5mm, made out of extruded 5mm rigid PVC foam sheet metered cut at corners & jointed 2 No.s of 150mm long brackets of 15x15mm M.S Square tube, the entire door frame to be reinforced with 19x19mm M.S Square tube of 19 gauge. The door frame to be fixed to the wall using M.S. Screws of 65/80mm size complete as per manufacturers specification & direction of Engineer-in-charge.	Work done upto the Billed Quantity and the Quality is satisfactory

Asst. Executive Engineer
Project Division
Yelahanka
BBMP, Bangalore-560

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Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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E19	SOLID PANEL PVC DOOR SHUTTER Providing & fixing 30mm thick factory made rigid foam Panelled Door Shutters made from M.S. tube of 19 gauge thickness, size 19x19mm for styles and 15x15mm for top & bottom rails, covered with heat moulded PVC channel of 5mm thick sheet & 30 x 50mm wide to form styles & 5mm thick & 75mm wide PVC Sheets for top rail, lock rail & bottom rail on either side & 5mm thick 20mm wide PVC sheet as gap insert for top rail & bottom rail, Panelling of 5mm thick PVC sheet fitted in the M.S. Frame, Sealed to the styles & rails with 5x30mm PVC sheet beading on either side & joined together with solvent cement adhesive etc., Complete as per manufacturers specification & direction of Engineer-in-charge fixed to frames with 3 nos of 75 m.m Aluminium hinges.	Work done upto the Billed Quantity and the Quality is satisfactory
E20	KSRB 11-7.2 : Providing and fixing white vitreous china clay, flat back, lipped front urinal basin of 430x260x350mm in the range of two 7.5 litre P.V.C with automatic flushing cistern, C.I / M.S brackets, standard flush pipe and C.P. brass spreaders with brass unions and G.I. clamps painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications.Specification No. KBS 11.	Work done upto the Billed Quantity and the Quality is satisfactory
E21	Providing and fixing CI Nahani trap of approved make conforming to ISI specifications and construction of Cistern in M-15 as per directions (Rate is inclusive of cost of materials and fixtures and conveyance of materials to work spot). -do- 12.5cms x 7.5cms	Work done upto the Billed Quantity and the Quality is satisfactory
E22	Providing and fixing 7.5 cms to 15.00 cms dia NP grating 100 mm dia.	Work done upto the Billed Quantity and the Quality is satisfactory
E23	KSRB 11-11 : Providing and fixing white vitreous china clay, flat back wash basin with a single 15mm C.P brass pillar tap with C.I / M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11 KSRB 11-11.5 : - do - of size 450 x 300mm Specification No. KBS 11	Work done upto the Billed Quantity and the Quality is satisfactory
E24	KSRB 11-5 : Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Work done upto the Billed Quantity and the Quality is satisfactory

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RUDRAPRASAD CONSULTANTS BANGALORE

#3, 7th Main Malleswaram, Bangalore – 560003
Telefax: 9180 23444801, Mobile: 91 9972924526
Web: www.arkengineers.com e-mail: rechan6630@yahoo.co.in

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Structural Engineers, Architects &
Project Management Consultants

E25	KSRB 11-15.3 : Providing and fixing 453x357mm dia rectangular shape mirror with plastic moulded frame of approved make and shade with 6mm thick hard board backing including cost of materials, labour complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory
E26	Providing and fixing unplasticised PVC pipes with working pressure 10 kg/sq.cm with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM and testing complete as per specifications.-do- with 160mm outer dia	Work done upto the Billed Quantity and the Quality is satisfactory
E27	KSRB 13-11 : Providing and placing on terrace, polyethylene water storage tanks as per IS 12701 : 1996 with manhole lid and suitable locking arrangements, making holes of suitable diameter for inlet, outlet and over flow pipes, including cost of all materials, labour, transport charges, HOM and testing complete as per specifications. (For 1000 litre capacity) Specification No.KBS 13.22	Work done upto the Billed Quantity and the Quality is satisfactory
E28	KSRB 15.3 : Providing 12mm thick cement plaster in single coat with cement mortar to brick masonry including rounding off corners wherever required smooth rendering, : Providing and removing scaffolding, including cost of materials, labour, curing complete as per specifications. KSRB15-3.2 : – do – cement mortar 1:4	Work done upto the Billed Quantity and the Quality is satisfactory
E29	Fabricating, providing and erecting in position Hot dip galvanized Gate. Using 72x72x4.8 mm Sq. G I Pipe Frame with top pipe bending in heavy duty hydraulic press with sand packing and hot bending to form double arch as per drawing profile, 20mm hot dip galvanized sq.rod for verticals at 150mm c/c , as shown in the drawing including providing hot do galvanized forged ornamental design in between rods and heads at top, middle and bottom. Intermediate supports of 75x12mm and 50x6mm arch bent to hot dip galvanized flats.The work is inclusive of throughing GI, Flat GI Sqm. rods, placing, welding all the joints including grinding, finishing metal patty, painting two coats enamel painting. The rate is inclusive of all materials Like GI Sq. GI Pipe, GI Forged designs etc., heavy duty hinges are made out of 75mm sold sq. block assembled with 20mm du bearing in three places for each flop. Heavy duty locking arrangement of low places including cost of labour, painting, erection charges using hoist pulley cranes, with all lead and lift, loading, trasportation, unloading, scaffolding charges and all other complete as per specifications and directions of Engineer incharge of work.	Work done upto the Billed Quantity and the Quality is satisfactory
E30	Supplying and fixing new Mangalore tiles on existing reepers including cost of materials, labour, HOM complete as per specifications.	Work done upto the Billed Quantity and the Quality is satisfactory

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E31	Waterproofing of RCC Terrace / podium slab / toilet / utilities / water retaining structure by preparing the surface by chipping and cleaning and Grouting of Honey comb, voids,cracks / construction joints with cement slurry (1kg cement added in 10 ltr of water) added with 100gm of inorganic accelerator, followed by spraying of liquid biological modified alkaline earth silicates @ 0.40 ltr per sqm on whole surface to reduce the micro porosity and allowing it to dry, curing the surface for the silicates to penetrate deeper into the concrete and spraying waterproofing impregnate liquid containing silane and silanol linear copolymer @ 0.50 ltr per sqm and finally applying polymer slurry made out of cross linked acrylic / styrene / butadiene & cement in the ratio of 1:0.1, @0.50kg/sqm on the whole surface, including all labour charges tools and equipments, all complete as per the specification	Work done upto the Billed Quantity and the Quality is satisfactory
E32	Fabrication supplying and erecting M.S. tubular trusses of all spans as per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification	Work done upto the Billed Quantity and the Quality is satisfactory
E33	Basket Ball Court Painting	Work done upto the Billed Quantity and the Quality is satisfactory

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